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RAW SEQUENCE LISTING

DATE: 11/27/2001

PATENT APPLICATION: US/09/989,481

TIME: 14:18:41

Input Set : A:\Chau, Raymond 12592-4 Sequence Listing in PatentIn 3.0.txt

Output Set: N:\CRF3\11212001\I989481.raw

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3 <110> APPLICANT: Chau, Raymond M.W.
 5 <120> TITLE OF INVENTION: Isolation and Use of Motoneuronotropic Factors
 7 <130> FILE REFERENCE: 12592-4
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/989,481
 10 <141> CURRENT FILING DATE: 2001-11-20
 12 <150> PRIOR APPLICATION NUMBER: US 09/633,447
 13 <151> PRIOR FILING DATE: 2000-08-07
 15 <150> PRIOR APPLICATION NUMBER: US 08/9928862
 16 <151> PRIOR FILING DATE: 1997-09-12
 18 <150> PRIOR APPLICATION NUMBER: US 08/751225
 19 <151> PRIOR FILING DATE: 1996-11-15
 21 <150> PRIOR APPLICATION NUMBER: US 60/026792
 22 <151> PRIOR FILING DATE: 1996-09-27
 24 <160> NUMBER OF SEQ ID NOS: 5
 26 <170> SOFTWARE: PatentIn version 3.0
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 1443
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Homo Sapiens
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 38 gacacctttg gtgacattaa ttaccaagaa tttgctaaaa gactctgggg tgacatctac 180
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 44 gacaccagcc tcccacggac cctagacgag cttggcatcc acctgacgaa ggaggagctg 360
 46 aagctgaaca tccgcccctt gctcaggctg gtctgcaaaa agttctttgg cgagttcaca 420
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 50 attgagcaca cctacaccgg tgggtgtggac tccgacctcg gcgaagctat gagtgaactgt 540
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 54 cagtttcacc cctttggccg ggtgctgagt ggcaccattc atgctgggca gcctgtgaag 660
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 64 aagattgctg tggagccagt caaccctca gagctgccca agatgcttga tggcctgcgc 960
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 82 ggt
 85 <210> SEQ ID NO: 2
 86 <211> LENGTH: 927

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87 <212> TYPE: DNA

88 <213> ORGANISM: Homo Sapiens

90 <400> SEQUENCE: 2

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95 tattaatagc agcctcccat acacactttt gacacccttc cctaaaggat taatatgctc      180
97 caaccttcct gtccccacag ttcagtggct ctccctaccc tcaccatgat cggatgaaaa      240
99 aaaataaggt ttcacagctt aagagtgaag ttctggaatc caactacaag ctcataactg      300
101 tagcatggaa cctggtagta gcataataaa taaattttta gtaagaggct taagaaattt      360
103 tagcaaaaaa agcactccct ttcttccctc ctacatatct catatgtttt tcaacacaaa      420
105 aaattctgtg atttttagaga aaatttattc agtactttta agttcaaaac cagatgctca      480
107 ttacagttct tttaaacacc aaactagtca tctcaaaaat atggctaact ctctggacta      540
109 aattccatag gaaaaattat taatttcaaa atgcctaatt tttgatcaat gctgaagagc      600
111 caagcaatca tgtcctgctt ctcaactcagg gcagagttct caggtcagaa gctccggagt      660
113 ctgtcagaga ttaaaatata atctcaacaa ttcacaagct acttctaagt gttaccctaa      720
115 attagtcaat aatcgtttct cccccaactc tatttcacaa attaaagttt acagaattga      780
117 caaaaaccaa accaatgaaa caaccaggc tatttgcagg gggggggaaa gagatacccc      840
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125 <211> LENGTH: 481

126 <212> TYPE: PRT

127 <213> ORGANISM: Homo Sapiens

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134 Gly Asn Val Cys Phe Ser Ser Ser Gln Tyr Ser Ile Cys Phe Thr Leu
135          20          25          30
137 Gly Ser Phe Ala Lys Ile Tyr Ala Asp Thr Phe Gly Asp Ile Asn Tyr
138          35          40          45
140 Gln Glu Phe Ala Lys Arg Leu Trp Gly Asp Ile Tyr Phe Asn Pro Lys
141          50          55          60
143 Thr Arg Lys Phe Thr Lys Lys Ala Pro Thr Ser Ser Ser Gln Arg Ser
144 65          70          75          80
146 Phe Val Glu Phe Ile Leu Glu Pro Leu Tyr Lys Ile Leu Ala Gln Val
147          85          90          95
149 Val Gly Asp Val Asp Thr Ser Leu Pro Arg Thr Leu Asp Glu Leu Gly
150          100          105          110
152 Ile His Leu Thr Lys Glu Glu Leu Lys Leu Asn Ile Arg Pro Leu Leu
153          115          120          125
155 Arg Leu Val Cys Lys Lys Phe Phe Gly Glu Phe Thr Gly Phe Val Asp
156          130          135          140
158 Met Cys Val Gln His Ile Pro Ser Pro Lys Val Gly Ala Lys Pro Lys
159 145          150          155          160
161 Ile Glu His Thr Tyr Thr Gly Gly Val Asp Ser Asp Leu Gly Glu Ala
162          165          170          175
164 Met Ser Asp Cys Asp Pro Asp Gly Pro Leu Met Cys His Thr Thr Lys
165          180          185          190
167 Met Phe Ser Thr His Asp Gly Val Gln Phe His Pro Phe Gly Arg Val

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168          195          200          205
170 Leu Ser Gly Thr Ile His Ala Gly Gln Pro Val Lys Val Leu Gly Glu
171          210          215          220
173 Asn Tyr Thr Leu Glu Asp Glu Glu Asp Ser Gln Ile Cys Thr Val Gly
174 225          230          235          240
176 Arg Leu Trp Ile Ser Val Ala Arg Tyr His Ile Glu Val Asn Arg Val
177          245          250          255
179 Pro Ala Gly Asn Trp Val Leu Ile Glu Gly Val Asp Gln Pro Ile Val
180          260          265          270
182 Lys Thr Ala Thr Ile Thr Glu Pro Arg Gly Asn Glu Glu Ala Gln Ile
183          275          280          285
185 Phe Arg Pro Leu Lys Phe Asn Thr Thr Ser Val Ile Lys Ile Ala Val
186          290          295          300
188 Glu Pro Val Asn Pro Ser Glu Leu Pro Lys Met Leu Asp Gly Leu Arg
189 305          310          315          320
191 Lys Val Asn Lys Ser Tyr Pro Ser Leu Thr Thr Lys Val Glu Glu Ser
192          325          330          335
194 Gly Glu His Val Ile Leu Gly Thr Gly Glu Leu Tyr Leu Asp Cys Val
195          340          345          350
197 Met His Asp Leu Arg Lys Met Tyr Ser Glu Ile Asp Ile Lys Val Ala
198          355          360          365
200 Asp Pro Val Val Thr Phe Cys Glu Thr Val Val Glu Thr Ser Ser Leu
201          370          375          380
203 Lys Cys Phe Ala Glu Thr Pro Asn Lys Lys Asn Lys Ile Thr Met Ile
204 385          390          395          400
206 Ala Glu Pro Leu Glu Lys Gly Leu Ala Glu Asp Ile Glu Asn Glu Val
207          405          410          415
209 Val Gln Ile Thr Trp Asn Arg Lys Lys Leu Gly Glu Phe Phe Gln Thr
210          420          425          430
212 Lys Tyr Asp Trp Asp Leu Leu Ala Ala Arg Ser Ile Trp Ala Phe Gly
213          435          440          445
215 Pro Asp Ala Thr Gly Pro Asn Ile Leu Val Asp Asp Thr Leu Pro Ser
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218 Glu Val Asp Lys Ala Leu Leu Gly Ser Val Lys Asp Ser Ile Val Gln
219 465          470          475          480
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224 <210> SEQ ID NO: 4
225 <211> LENGTH: 33
226 <212> TYPE: PRT
227 <213> ORGANISM: Homo Sapiens
229 <400> SEQUENCE: 4
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235          20          25          30
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241 <211> LENGTH: 99
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243 <213> ORGANISM: Homo Sapiens

245 <400> SEQUENCE: 5

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VERIFICATION SUMMARY

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Input Set : A:\Chau, Raymond 12592-4 Sequence Listing in PatentIn 3.0.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number